

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows.

On pages 4-5, paragraph [0013]:

In some aspects, the invention relates to an apparatus for simulating modeling an anti-resonance circuit of a microprocessor, including comprising: a simulated load model that simulates the anti resonance circuit; a simulated transistor that simulates at least one high frequency capacitance of the anti-resonance circuit, capacitor, where[[in]] the simulated transistor is connected in parallel with the simulated load model; and a simulated capacitor that simulates an intrinsic capacitance of a section of the microprocessor, where[[in]] the simulated capacitor is connected in parallel with the simulated load model.

On page 5, paragraph [0014]:

In other aspects, the invention relates to a method an apparatus for simulating modeling an anti-resonance circuit of a microprocessor, including comprising: means for simulating an anti resonance circuit; and means for synchronizing the means for simulating an anti resonance circuit with a clock signal simulating a load of the anti-resonance circuit, simulating at least one high-frequency capacitance in parallel with the simulated load, and simulating a section of the microprocessor's intrinsic capacitance in parallel with the simulated load.

On page 5, paragraph [0015]:

In other aspects, the invention relates to an apparatus-method for modeling an anti-resonance circuit of a microprocessor, including a processor, memory, and instructions residing in the memory and executable by the processor to simulate comprising: modeling a load to generate a simulation of [[an]]the anti-resonance circuit with a simulated resistor; simulating simulate a at least one high frequency capacitance of the anti-resonance circuit with a simulated transistor connected capacitor in parallel with the simulated resistor, load model; and simulate an simulating a section of the microprocessor's intrinsic capacitance in parallel with the simulated resistorload model.